CLAIMS:

- A method of processing user interaction in a medical environment with a
 medical image for producing measurement data related to graphics on the medical image,
 wherein the graphics on the medical image comprises at least one graphic
 object, said method comprising the step of removably attaching at least one dynamic
 measurement object based on said measurement data to said graphic object.
- 2. The method according to claim 1, wherein the user interaction is cursor controlled and the medical image is displayed on a medical examination apparatus.
- 10 3. The method according to claim 1 or 2, wherein said graphic object being associated with at least one anatomical structural element of medical objects on said medical image.
- 4. The method according to claim 1 or 2, wherein the measurement data is derived from said graphic object.
 - 5. The method according to claim 4, wherein the graphic object is a point, a line, a curve, two intersecting lines, or a contour.
- 20 6. The method according to claim 4, wherein the measurement data that is extracted from the graphics object is a line length, a curve length, an angle delimited by two intersecting lines, an area delimited by a contour or a profile along a line or a curve, a diameter, a perimeter, an area, a volume, or grey value profiles.
- 7. The method according to any of any of the preceding claims, wherein the measurement objects are moved between or interconnect different graphics objects supporting the same measurement type, or transferred between different positions of a single graphics object.

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- 8. The method according to claim 7, wherein the graphics object being a line or a curve as such and the measurement object the length of the line, the graphics object being two intersecting lines and the measurement object the angle enclosed in a quadrant between the two lines, or the graphics object being a contour curve and the measurement object being the length of the contour or a diameter line interconnecting different points on the same contour curve or one point on said contour curve and another point on a further contour curve.
- 9. The method according to any of the preceding claims comprising smartly docking the measurement object to the nearest, and at least one, from a set of graphic objects supporting a specific measurement associated with that measurement object.
 - 10. The method according to claim 9, comprising docking a smart length measurement object to any graphical object in the image that supports measuring its length, docking a smart distance measurement object to the two nearest graphic objects supporting a distance measurement, docking a smart diameter measurement object to contours, circles, spheres, tubes, or docking a smart angle measurement object to the nearest graphic objects supporting an angle measurement.

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- 20 11. The method according to claim 10, wherein the contours, circles, spheres, tubes are graphic elements visualizing vessels, the trachea, the oesophagus, or other hollow anatomical structural elements on said medical image.
- 12. A medical examination apparatus (100) being arranged for implementing the

 method of any preceding claim, said apparatus comprising cursor display means (101) and

 user interaction means (102) for a medical image (104) displayed on a graphics display

 means (103) for displaying measurement data (105) related to graphics objects on said image

 (104), cursor actuating means (106) with detection means (107) for detecting positionings

 and actuations thereof, and measurement means (108) for thereupon driving control of

 inherent measuring functionalities as being immediately based on graphics objects relative to

 the actuated position with respect to graphics objects having associated imaged medical

 objects.

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13. Use of a medical examination apparatus according to the preceding claim for processing user interaction in a medical environment with a medical image for producing measurement data related to graphics on the medical image, wherein the graphics on said medical image comprises at least one graphic objects, comprising removably attaching at least one dynamic measurement object to said graphic object in such a manner that the measurement object when attached to said graphic object is, upon further user interaction, removable from said graphic object, transferable along said graphic object or to another position adjacent to said graphic object, or transferable to different graphic objects on said medical image.

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14. A computer-readable medium (110) having embodied thereon a computer program for processing by a computer (113) of a medical examination apparatus, the computer program comprising code segments for performing the method of claim 1, wherein the computer program comprises

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a first code segment (111) for processing user interaction in a medical environment with a medical image for producing measurement data related to graphics on the medical image, wherein the medical image comprises at least one graphic object, and a second code segment (112) for removably attaching at least one dynamic

measurement object based on said measurement data to said graphic object.